

Name of Work:
Estimated Cost:
Head of Account:
Job Code No :
A.S No. & Date:
T.S No. & Date:
W.O No. & Date:
Name of Agency
Recording Date:

Measurements Recorded on Dated.
Drilling of Borewells and Providing Pump Motor & Electrification in Ward No
14, Bagalur
40.00 Lakhs
P-1802, Water Supply
014-19-000052
EE/DD/AS/116/18-19, Dt.17.01.2019
CE/DZ/TS/97/18-19, Dt.28.01.2019
EE/DD/WO/339/19-20, Dt.18.06.2019
K Madhavareddy

16/09/19

2nd and Final Bill
Pre-Measurement

Sl. No.	Description of work	Measurements						Amount	Unit
		No.s	L	B	D	Qty	Rate		
1	Geophysical survey geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the hand pumps, MWS or PWSS by vertical electrical sounding by adopting venner or schlumbergers's method including reconnaissance survey of geological formation Geophysical investigation of existing ground Water in the vicinity. its quality , quality & acceptability of the users indicating the location of the site recommended depth of casing pipe required to seal the tope unconsolidated formation including an extra depth 1.0 metre in consolidated formation for aquire proposed to be tapped propable yield and other information required including transportation of instrument and accessories to work site, engating technical personal and labour etc.,PRE- Bangalore Circle-2014-15 Page No-47 & 48 , Item No-9.4								
	Total Qty/ Payable Qty					0.00	2117.77	0.00	Each

Assistant Engineer
Ward 14

24/06/19

Assistant Executive Engineer
T.Dasarahalli Sub Division, BBMP

Sl. No.	Description of work	Measurements						Amount	Unit
		No.s	L	B	D	Qty	Rate		
Pre-Measurement									
2	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified.,PRE- Bangalore Circle-2014-15, Page No-46, Item No-9.1.1 to 9.1.7								
	Siddeshwara Layout								Mtr
	0.00 to 50.00 mtrs	1	50.00			50.00	699.86	34993.00	
	50mtr to 65.00 mtr	1	15.00			15.00	740.43	11106.00	
	Sheshadri Layout								
		1	50.00			50.00	699.86	34993.00	
		1	8.00			8.00	740.43	5923.00	
		Total Qty/ Payable Qty				123.00		87015.00	Rmts

Pre-Measurement

3	Supply of ISI Mark 175mm Nominal bore ,plain end steel Casing pipe- grade of steel Fee 410 of wall thickness 5.4 mm thick confirming to IS 1387/1933 and manufactured by basic open hearth electric or basic oxygen process in random lenth of 5 to 7mtrs. Both ends threaded Confirming to IS 554/1985, One end fixed with a Socket Confirming to IS 4270:2001 and the other end with Screwed pipes . All pipes shall be reasonably free from defectes. The tube shall be reasonably straight should be with ISI marking, weighing 25.10kg/mtr. (Inclusive of all taxes) (PRED,2012-13 Page No.iii, item No-84)					
		Total Qty/ Payable Qty	0.00	1447.56	0.00	Mtr

Pre-Measurement

4	Providing and Fixing 250mm dia PVC pipe and as per Specification and Direction (BWSSB SR 13-14, P.No.53, IT.No01 of SI No.11)								
	Total Qty/ Payable Qty					0.00	1237.80	0.00	Each

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Sl. No.	Description of work	Measurements						Amount	Unit
		No.s	L	B	D	Qty	Rate		

Pre-Measurement

5	Providing 175 mm dia MS Collar (RDED SR page ii, item 86)								
	Soundarya Layout	1				26			
	Marjunatha Nagara	1		-	-	26			
	Siddeshwara Layout	1		-	-	26			
	Sheshadri Layout	1		-	-	26			
	Total Qty/ Payable Qty					104.00	163.88	17044.00	Each

Pre-Measurement

6	Providing 175 mm dia MS Cap (as per RDED SR page ii, item-85)								
	Total Qty/ Payable Qty					0.00	109.25	0.00	Each

Pre-Measurement

7	Supply and delivery at site brand new submersible pumpset suitable for borewell of 165mm dia and having the declared duty conditions as detailed below and satisfying performance Characteristics for pump and motor as declared by the bureau of indian stand. the pumpset should conform to IS : 8034-1989 (With all its latest amendments) and Should bear ISI Certification mark IS : 8034-1989 Sub mercible pumpset 20HP 40 stage Texmo/Taro or equalents Brands (KPWD SR 2018-19 Page No: XLII Item No.56)								
	Total Qty/ Payable Qty					0.00	93078.27	0.00	NO

8	Providing and fixing of 50mm G.I pipe 'B' class heavy duty for erection of submersible pumpset galvanised tube								
	50mm supply ad delivery of cause heavy duty as per IS/239/1990 (P No.XLVII, SL.No 01) PWD SR 2018-19								
	Total Qty/ Payable Qty					0.00	480.59	0.00	Mtrs

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Sl. No.	Description of work	Measurements						Amount	Unit
		No.s	L	B	D	Qty	Rate		
9	Supplying and Drawing 3 core Flat PVC Shalted Submersible Pump Cable Manufactured with Electrolytic Grade Copper with Flexible copper conductor to table 3 class 5 of IS 8130-1984 and Virgen PVC insulation and Sheated Suitable for working Voltage Upto 1100 Volts BWSSB SR 2014-15, P- 535, I. 30Page no:12 sl no: 2.10.4					0.00	179.49	0.00	Mtrs
		Total Qty/ Payable Qty				0.00	179.49	0.00	

10	Supplying and delivery at site brand new star / Essen / Lotus / Sun shines / Adharsh / GK Controls best indigenous make combined energy meter cum control panel board unit of size 1200x600x350mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for opration on 3ph, 50 hz, 380/440 volts, AC supply with spring loaded latch, locking device with a key ribs should be provided inside the door canopy apron and louvers ventilators shall be provided the combined energy meter cum control panel board unit suitable for operation on 3ph, 50 hz, 380/440 volts AC supply shall be consists etc., complete the panel board shall be consist etc., complete the panel board shall be fabricated on single unit in the above componenets panel board for suitable pumpset with star delta staretr out door type 10hp to 15 hp PRED ISSUE RATE					0.00	16169.00	0.00	No
		Total Qty/ Payable Qty				0.00	16169.00	0.00	

11	Fabricating Supplying and mounting MS Box of 16 SWG suitable for floor/ wall mounting fully weather proof with provision for better hear description, 9Providing with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamp with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primes paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 Sq cm (P.No.530, I.No.39, BWSSB SR 2013-14)					0.00	0.38	0.00	Sq cm
		Total Qty/ Payable Qty				0.00	0.38	0.00	

12	Providing & Fixing of Clamps set and Borewell cap to the pump 9MR)					0.00	2084.49	0.00	No's
		Total Qty/ Payable Qty				0.00	2084.49	0.00	

13	Supplying and fixing 50mm Non Return Vavle of vertical type of approved make including cost of all materials labour HOM of equipment with all leads Complete as per Specifcation PWD SR 2018-19, P.No-XLVII, Sl No.16					0.00	2084.49	0.00	No's
		Total Qty/ Payable Qty				0.00	2084.49	0.00	

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Sl. No.	Description of work	Measurements						Amount	Unit
		No.s	L	B	D	Qty	Rate		

21	Supplying and laying of L.T.U.G Cable having aluminium conductor PVC insulated sheathed galvanised steel wire/ steel tape armoured cable with PVC outer sheathing 1.1 K V class 4 crore 16 sqmm cable 9 Confirming to IS 1554) P.No.553, IT.No 10(d) BWSSB SR 2013-14								
	Total Qty/ Payable Qty					0.00	185.67	0.00	Mtr

22	Digging of trench of 0.6m deep x 0.5m wide refilling the trench to the required level and consolidating etc., complete P-554, I-12 (b), BWSSB SR2013-14.								
	Total Qty/ Payable Qty					0.00	61.89	0.00	Mtr

23	Supplying and fixing class A GI pipe on pole/Wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class 40mm 9P.No.555, IT No.15 (b) BWSSB SR 2013-14.								
	Total Qty/ Payable Qty					0.00	272.32	0.00	Mtr

24	Supplying, fixing, wiring earth electrode for grounding conduits, LC cutouts and other equipments on the meter board using 40mm dia 2.90mm thick GI pipe 2.50m long buried in a pit. The pit should be filled with equal proportion of salt and charcoal 150mm around the pipe to complete depth. the connection from the pipe to the conduct etc., is to be established through GI wire of size as per ISI specifications 7.3.3 IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122mm dia P-552, I-7, BWSSB SR 2013-14.								
	Total Qty/ Payable Qty					0.00	1856.70	0.00	No

25	Supply and fixing LT cast iron pot heads suitable for 1.1 KV class 16 sqmm UG cable filled with necessary bitumen / insulating compound complete with terminals, clamps, bolts, nuts, washers etc., P-555, I No-16(b), BWSSB SR 2013-14								
	Total Qty/ Payable Qty					0.00	297.07	0.00	No

26	Supplying Shunt capacitor's confirming to IS 2834, 3phase 400/440 volts grade for power factor improvement of rotating machinery capacitor in KVAR rating No;s (MR)								
	Total Qty/ Payable Qty					0.00	1474.88	0.00	No

27	Providing & Fixing Gun Metal Gate wheel valve confirming to IS Specification of approved make as per direction including all lead and lift etc., complete 50mm dia 9P.No.94, It.No.13.796, PWD SR 18-19								
	Total Qty/ Payable Qty					0.00	850.01	0.00	No

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SL No.	Description of work	Measurements						Amount	Unit
		No.s	L	B	D	Qty	Rate		
28	Supplying and fixing of polished wood board made up not less than 15mm thick plank in both side with plank made out on not more than 2 pieces and fixing the same to wall using tapered inverted wooden plugs screws etc., Size 20x20x2.5 inches (P.No.521, I.No.2(f), BWSSB SR 2013-14								
		Total Qty/ Payable Qty				0.00	340.40	0.00	No

29	Earthwork excavation for foundation of buildings water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. Noll KBS 2.1.C/2.9.4/2.18/2.19 (Pg. No-06, I.No-2.4)PWD - SR 2018-19)								
	Pipe line road Bhuvaneshwari Nagara	1	150.00	0.60	0.75	67.50			
	Soundarya Layout from 8th B cross to 13th cross	1	177.00	0.60	0.75	79.65			
	2nd Main 8th cross Aradya Stationary and General store	1	35.00	0.60	0.75	15.75			
	Manjunatha Nagara From Anganawadi Center to Bore Point (Smashana)	2	169.00	0.60	0.75	152.10			
		1	23.00	0.60	0.75	10.35			
						325.35			
		Ltd Qty					230.85	519.96	120033.00
									Cum

30	Providing and fixing Chlorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.)pg no 99,it no.13.87.8.PWD - SR 2018-19)								
	Pipe line road Bhuvaneshwari Nagara	1	150.00			150.00			
	Soundarya Layout from 8th B cross to 13th cross	1	177.00			177.00			
	2nd Main 8th cross Aradya Stationary and General store	1	35.00			35.00			
	Manjunatha Nagara From Anganawadi Center to Bore Point (Smashana)	2	169.00			169.00			
		1	23.00			23.00			
						554.00			
		Ltd Qty					513.00	2084.49	1069343.00
									RMT

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Sl. No.	Description of work	Measurements						Amount	Unit
		No.s	L	B	D	Qty	Rate		
31	KSRB-2-4: Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5m including cost of all labour complete as specifications.. allow 60% of rate considered under item KSRB 2.3 Page No. 7/ Item No. 2.11/PWD - SR 2018-19)								
	Pipe line road Bhuvaneshwari Nagara	1	150	0.60	0.75	67.5			
	Soudarya Layout from 8th B cross to 13th cross	1	177	0.60	0.75	79.65			
	2nd Main 8th cross Aradya Stationary and General store	1	35	0.60	0.75	15.75			
	Manjunatha Nagara From Anganawadi Center to Bore Point (Smashana)	2	169	0.60	0.75	152.1			
						315.00			
		Ltd Qty				256.50	140.12	35941.00	

32	KPTCL Deposit Charge								
		3				3.00	12000	36000.00	

33	Borewell registration charge per Rs 1000 each for BWSSB								
		3				3.00	1000	3000.00	

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